

fire protection and system solutions

**GLASS
PRO TEC**



Glass Pro Tec - Fire resistant safety glass

Made in Germany

Glass Pro Tec - Fire resistant safety glass

Glass Pro Tec GmbH is a German company, which is specialized in the manufacture of fire-resistant safety glass.

Wherever it is necessary to reliably protect people, buildings and property against fire, smoke and heat radiation the ideal solution are our fire protection glasses type of GP Firetec.

We manufacture our products based on the latest generation of technology for fire protection glass in the European classes E, EW and EI in Germany.

Upon our customer's request we are in the position to include almost any functional combination glasses in our fire glass compound for multiple applications.

For in-house tests Glass Pro Tec is in the position to offer an own fire testing furnace according to DIN EN 1363.



Glass Pro Tec products are CE certified and the production is supervised by MPA NRW - Materialprüfamt of Nordrhein Westfalen / Germany.

**Materialprüfungsamt
Nordrhein-Westfalen**

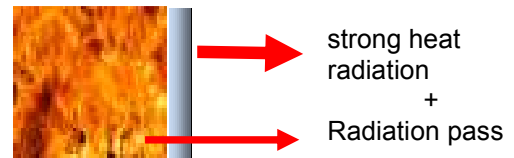


Glass Pro Tec - Glass product portfolio

GP Firetec E – class – Features and installation

- specially thermally toughened float glass (ESG), Heat - Soak Tested
- highest optical quality, transparent glass in case of fire
- high mechanical strength, pendulum tested EN 12600 Class 1 (C) 1
- Glass breakage type of ESG, structure following EN 12150 falling into small crumbs
- CE certified glass according to EN 14179

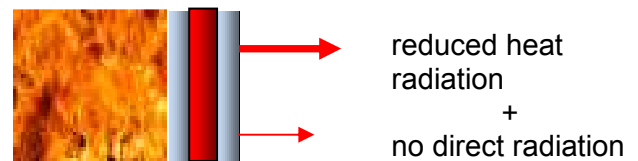
- suitable for indoor and outdoor use
- protection against fire and smoke for 30 min
- facades and sections thereof inside buildings
- flashover paths to buildings and floors as well as



GP Firetec EW class – Features and installation

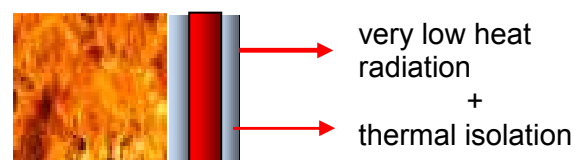
- Consists of 2 thermally tempered glass with embedded special fire protection interlayer
- high mechanical strength, pendulum tested EN 12600 Class 1 (C) 1
- Glass breakage type of ESG, structure following EN 12150 falling into small crumbs
- UV stability according to EN 12543-4
- Moisture stability according to EN 12543-4
- Temperature range in application -10 to + 55 ° C
- Glass compounds: inclusion of almost any functional combination glasses for multiple applications possible.

- Suitable for indoor and outdoor use in combination with sealed units
- Protection against fire, smoke plus reduction of the dangerous radiation for up to 120 min
- Facades and sections thereof inside building



GP Firetec EI class– Features and installation

- Consists of 2 or more thermally tempered glass with embedded special fire protection interlayer
- Very low heat radiation and thermal isolation on non-fire side up to 120 min
- high mechanical strength, pendulum tested EN 12600 Class 1 (C) 1
- Glass breakage type of ESG, structure following EN 12150 falling into small crumbs
- UV stability according to EN 12543-4
- Moisture stability according to EN 12543-4
- Temperature range in application -10 to + 55 ° C



fire protection and system solutions



- Glass compounds: inclusion of almost any functional combination glasses for multiple applications possible.
- This glass meets the requirement of hose stream test as per US standard (testing to be conducted)
- Suitable for indoor and outdoor use in combination with sealed units
- Protection against fire, smoke plus temperature limit to less than 140°C average above start temperature for up to 120 min
- Facades and sections thereof inside building

Glass Pro Tec - Quality requirements and GPT quality control

To meet the high quality standards applied for our fire-resistant glasses, GPT constantly carries out internal production control audits.

The production of our fire resistant glass is factory-production control with appropriate documentation.

Each production cycle follows the prescriptions of EN 14449.

This production control system has been checked and certified by an audit of the Notified Body MPA NRW under the CE certification.

The procedure is repeated annually by MPA NRW.

With our own internal test furnace, fire tests of newly developed fire resistant glass types and elements can be carried out with our customers at low cost.

